Con. 8527-13.

GS-3577

		(3 Hours)									[Total Marks: 100			
N.B.		<ol> <li>Question No. 1 is compulsory.</li> <li>Attempt any four questions out of remaining six questions.</li> <li>Assume suitable data whenever necessary and justify the same.</li> <li>Figures to the right indicate full marks</li> </ol>												
1.	` /	Give all the steps involved in recognition methodology and briefly explain cach.  Explain 'opening' and 'closing' with example.												
2.	` /	Explain Hough transform with example. Mention all its merits and demerits.  What is knowledge based vision? Explain different forms of knowledge representation used in computer vision.												
3.	` /	Lixpitini Dorktor traditing disportation with bareagra distantiple.												10 10
4.	. ` '	Explain intensity indicating of a difficultional signature.												10 10
5.	(a)	Apply 'iterative' and 'classical' connected component labelling algorithms on following 10 image:—												
			<sup>3</sup> 0	0	0	0	0	0	()	1	1	0		
			0	1	1	0	0	0	1	1	1	0	•	
			0	1	1	1	0	1	1	1	1	0		
			0	0	1	1	0	0	0	1	1	0		
•	(b)	Explain boundry descriptors.												
6.	(a)	(a) Explain 'thinning' and 'thickening' with the help of examples.												
,	(b)	Explain mixed spatial gray-level moments.												
7.	Write short note on:  (a) External points  (b) Principal component analysis  (c) View class matching  (d) Global V/s local features.													5 5 5 5

correction

4. 7.9. Extremal points